

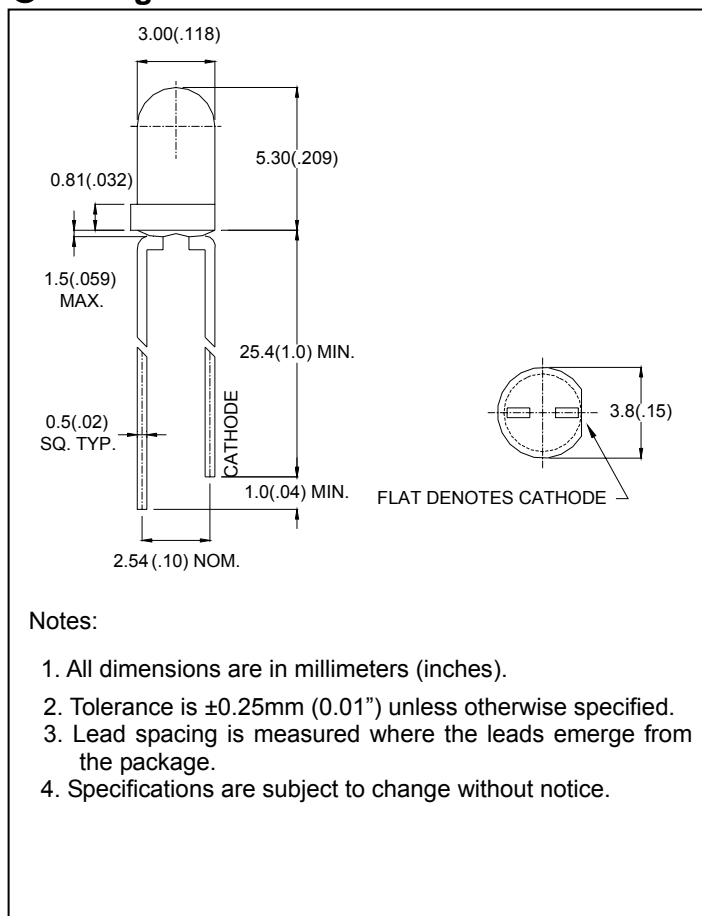
● Features:

1. Chip material: AlGaAs/GaAs
2. Emitted color : Super Red
3. Lens Appearance :Red diffused
4. Pulse Rate 2.4 Hz (VDD=5V)
5. Operating Voltage : 5V~12V (DC)
6. Easily be driven by TTL & C-MOS
circuit no external circuit needed
7. Long life solid state reliability.
8. This product don't contained restriction
substance, compliance ROHS standard.

● Applications:

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● Package dimensions



● Absolute maximum ratings($T_a=25^\circ\text{C}$)

Parameter	Symbol	Rating	Unit
Operating Voltage	V_O	12(max)	V
Reverse Voltage	V_R	5(max)	V
Operating Temperature	T_{opr}	$-40^\circ\text{C} \sim 80^\circ\text{C}$	
Storage Temperature	T_{stg}	$-40^\circ\text{C} \sim 85^\circ\text{C}$	
Soldering Temperature	T_{sol}	260°C (for 5 seconds)	

Electrical and optical characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Pulse Rate	Pd	VDD=5V	2.0	2.4	2.8	Hz
Luminous Intensity	Iv	I _F =20mA	-	50	-	mcd
Peak Wave Length	λ _p	I _F =20mA	-	660	-	nm
Dominant Wave Length	λ _d	I _F =20mA	-	643	-	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	20	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	45	-	deg

Typical electro-optical characteristics curves

Fig.1 Relative intensity vs. Wavelength

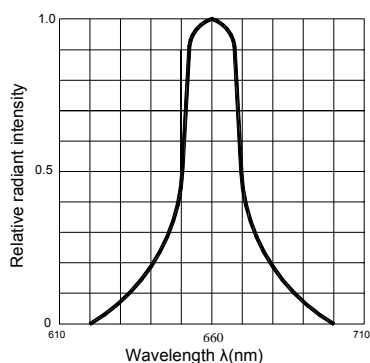


Fig.2 Forward current derating curve vs. Ambient temperature

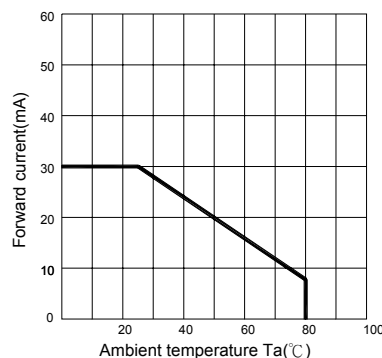


Fig.3 Forward current vs. Forward voltage

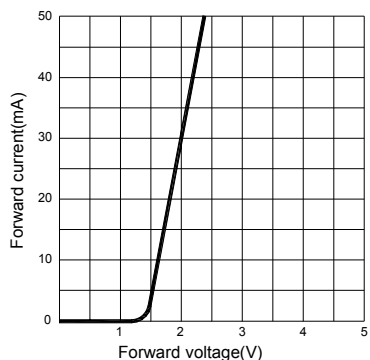


Fig.4 Relative luminous intensity vs. Ambient temperature

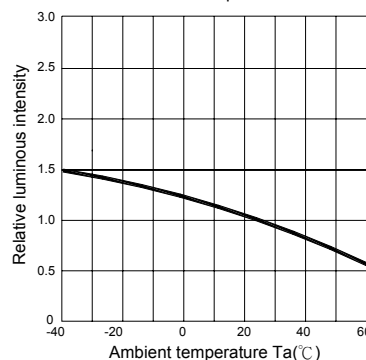


Fig.5 Relative luminous intensity vs. Forward current

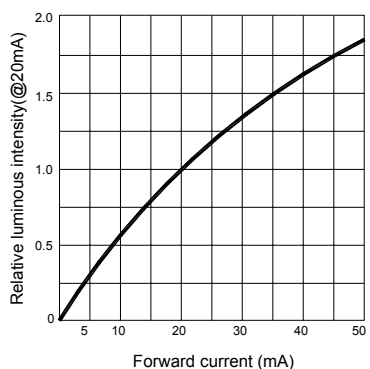


Fig.6 Radiation diagram

